

CLAIMS

What is claimed is:

1 1. A method for configuring a first parameter to a first device, comprising the steps
2 of:

3 providing a network communication channel connected to the first device
4 and to a configuring machine;

5 from the configuring machine, sending the first parameter and a device's
6 identifier to the communication channel;

7 acquiring the first parameter upon identifying the device's identifier on the
8 communication channel; and

9 configuring the first parameter to the first device;

10 wherein the first device provides administrative capabilities to a second
11 device.

1 2. The method of claim 1 wherein the first device is selected from a group consisting
2 of:

3 a device being part of the second device; and

4 a device providing console capabilities to the second device.

1 3. The method of claim 2 wherein the step of sending comprising the steps of:
2 sending the first parameter to a table in the configuring machine; and
3 obtaining the first parameter from the table.

1 4. The method of claim 3 wherein:
2 the first parameter is an internet protocol address;

3 an address resolution protocol command sending the internet protocol
4 address to the table; and
5 a packet internet groper protocol command obtaining the internet protocol
6 address from the table.

1 5. The method of claim 1 wherein the device's identifier is a media access control
2 address of the first device.

1 6. The method of claim 1 wherein the first device performing the step of acquiring
2 the first parameter.

1 7. The method of claim 1 wherein the step of acquiring comprises the steps of:
2 the second device obtaining the first parameter, and
3 acquiring the first parameter from the second device.

1 8. The method of claim 7 wherein the first device being part of the second device.

1 9. The method of claim 7 wherein the first device communicates with the second
2 device via an interconnect selected from a group consisting an input-output
3 interconnect, a peripheral component interconnect bus, an industry standard
4 architecture bus, an extended industry standard architecture bus, an infini band,
5 and a personal computer memory card international association standard.

1 10. The method of claim 7 wherein the device's identifier is selected from a group
2 consisting of an internet protocol address of the second device, a media access

3 control address of the second device, and an asynchronous transfer mode address
4 of the second device.

1 11. The method of claim 1 further comprising the step of inhibiting future
2 configurations to the first device until the first device is in an un-configured state.

1 12. The method of claim 1 further comprising the step of configuring a second
2 parameter to the first device, the second parameter being sent with the first
3 parameter in a packet.

1 13. The method of claim 1 further comprising the step of sending a command with the
2 first parameter in a packet, the command being executed in the first device.

1 14. The method of claim 1 wherein the step of acquiring comprises the step of
2 checking whether the first parameter is valid.

1 15. A method for configuring a parameter to a first device, comprising the steps of:
2 providing a network communication channel connected to the first device
3 and to a configuring machine;
4 from the configuring machine, sending the parameter and a device's
5 identifier to the communication channel;
6 acquiring the parameter upon identifying the device's identifier on the
7 communication channel; and
8 configuring the parameter to the first device;
9 wherein the first device is selected from a group consisting of
10 a device providing tools managing a second device;

11 a device being part of a second device;
12 a device providing mirror capabilities to a second device;
13 a device providing interactions between a second device and a third
14 device; and
15 a device providing console capabilities to a second device.

1 16. A network having a first device providing administrative capabilities to a second
2 device, comprising:

3 means for connecting a network communication channel to the first device
4 and to a configuring machine;
5 means for sending a network address and a device's identifier from the
6 configuring machine to the communication channel;
7 means for acquiring the network address upon identifying the device's
8 identifier on the communication channel; and
9 means for the first device to configure the network address to the first
10 device.

1 17. The network of claim 16 wherein the device's identifier is a media access control
2 address of the first device.

1 18. The network of claim 16 wherein the first device is selected from a group
2 consisting of:
3 a device embedded in the second device; and
4 a device providing console capabilities to the second device.

1 19. A computer-readable medium embodying instructions for a computer to perform a
2 method for configuring a network address to a first device, the method comprising
3 the steps of:

4 providing a network communication channel connected to the first device

5 and to a configuring machine;

6 from the configuring machine, sending the network address and a device's

7 identifier to the communication channel;

8 acquiring the network address upon identifying the device's identifier on

9 the communication channel; and

10 configuring the network address to the first device;

11 wherein the first device providing administrative capabilities to a second

12 device.

1 20. The computer-readable medium of claim 19 wherein the device' identifier is a
2 media access control address of the first device.

1 21. The computer-readable medium of claim 18 wherein the first device is selected
2 from a group consisting of:

3 a device embedded in the second device; and

4 a device providing console capabilities to the second device.

1 22. The computer-readable medium of claim 18 wherein the method further
2 comprising the step of configuring a second parameter to the first device, the
3 second parameter being sent with the first parameter in a packet.

1 23. The computer-readable medium of claim 18 wherein the method further
2 comprising the step of sending a command with the first parameter in a packet, the
3 command being executed in the first device.

107260-0299969